## Tasks in Progress

<table>
<thead>
<tr>
<th>Team Member</th>
<th>Recent Work</th>
<th>Current Work</th>
<th>Outstanding Items</th>
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</table>
| Michael McCarrin | - Create guide for imaging station in DEEP lab.  
- Meet with Vexterra about transitioning BEfriend algorithm to sponsor's environment.  
- Create poster for netsci.  
- Attend Netsci and present poster on BEfriend.  
- Attend STIREP of sponsor contractors.  
- Contact DHS about listing the RDC in Impact CyberTrust.  
- Create and distribute course announcement for CS4330.  
- Revised and submitted ASE paper.  
- Responded to RDC inquiry | - Create and deliver IPR to Sponsor on July 6.  
- Meeting schedule for thesis students in the summer.  
- Get money for lab.  
- Transfer 5 inventory items to DIA (waiting on Steve Boyd).  
- Coordinate shipment of phones (waiting on Steve Boyd).  
- Write a feedback on Vexterra GUI and send to Greg O.  
- Finalize sakai page for CS4330.  
| Bruce Allen | - Fixed `/hashdb/3.0.0` crashing bug with `/hashdb/3.1.0`. Provided new `/SectorScope 0.7.1` for compatibility with new `/hashdb/3.1.0`.  
- Identified that RocksDB would be a viable solution for `/hashdb` in a big-data environment. An actual implementation would require design changes, tuning, testing, and timing optimization, see `/hashdb` Wiki entry.  
- Helped Research Associate Mike Bailey get started running Beryllium BE-Scan in the HPC Spark Grace compute node cluster available at NPS.  
- Began a `lightgrep` scanner implementation to replace the slower `Flex` scanner code in Beryllium BE-Scan. The goal is to significantly improve scan performance while enabling use in a big-data environment.  
- Began preparing a simple `lightgrep` wrapper to encapsulate the `liblightgrep` interface. This simplified interface will significantly ease porting scanners to work in Beryllium BE-Scan.  
- Helped NPS student Timothy Andrzejewski (TJ) with setting up the Python environment used by Beryllium BE-Scan so that TJ can perform data analysis. | | |
| Tom Batcha | | | |
| Mike Bailey | - Apache Avro compression tool development  
- Avro compression tests  
- Integration with `be_scan` code  
- Spark routine to compress entire directory in parallel | | |
| Jean Khosalim | | | |
| Brittany Ramsey | - Update new wiki pages  
- IRB protocol amendments  
- GIT Repository July Monthly Report / LaTex document prep  
- Weekly group email update with research tasks for individuals  
- USENIX conference approval, registration, travel  
- DIA DEEP Account (RVKNJ) + DIA Reverse Engineering (RCKUY) Plans  
- RDC Access for Karen Renaud - University of Glasgow - UK. Working through DHS Impact Cyber Trust  
- GPUs for Grace - plan and track with ITACS  
- Purchase Tracking | - Country clearances for travel  
- USENIX travel planning  
- DFRWS travel  
- Monthly sponsor reports  
- Manage funding and purchases for EOY  
- Potential RDC access agreements  
- Weekly updates for research group with Tasks in Progress included  
- EOY labor planning and account funds management | - Remind Michael to pay for IEEE in order to be reimbursed  
- Send email to Bret regarding spend plan  
- GPUs for Grace  
- AWS  
- Waiting on EOY student purchases |